

## Case 302 : Narrative

Case Vehicle (A): 1999 Chevrolet	Vehicle (B): 1999 Ford
Type: K1500 Silverado LS, 4 x 4, 3-door pickup	Type: Contour SE, 4-door sedan
Driver: 48-year-old female	Driver: 16-year-old female
CDC: 11-FDEW-2, 10-LPAW-3	CDC: 02-RYAW-4, 12-LYES-1

### SITUATION

1 It was dark, there were no streetlights, the weather was clear, and the two-lane asphalt roadways were dry and free of defects. 2 Case vehicle (A) was traveling south in the southbound lane at a driver-estimated speed of 89 kph (55 mph). 3 Vehicle (B) was stopped facing west in the westbound lane at the intersection of the two roads. The driver of vehicle (B), who was not familiar with this intersection, 4 reportedly did not see case vehicle (A) due to trees and bushes that were located on the northeast corner of the intersection, and pulled out into the intersection and 5 into the path of case vehicle (A). The driver of case vehicle (A) reportedly applied the brakes and steered slightly to the right, but the front of case vehicle (A) struck the right side of vehicle (B). 6 After the frontal impact, case vehicle (A) veered to the right, exited the southwest corner of the intersection, and 7 struck a utility pole with its left side. 8 Case vehicle (A) came to rest facing southwest with its left side against the utility pole. 9 Vehicle (B) veered to the left, exited the west edge of the road, sideswiped a wooden post with its left side 10, and came to rest facing southwest. Both vehicles were towed due to damage.

All four occupants of case vehicle (A) were transported to an area hospital with police-reported "C" injuries. The driver, right-front passenger, and left-rear passenger were treated and released, and the right-rear passenger declined medical treatment.

The right-front passenger of vehicle (B) was transported to a level-one trauma center and was hospitalized for eleven days. The driver and left-rear and right rear passengers of vehicle (B) were transported to an area hospital with police-reported "C" injuries. The

driver and left-rear passenger were treated and released, and the right-rear passenger declined treatment.

## GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

[11](#) [12](#) Damage to case vehicle (A) was moderate. [13](#) Direct damage from the frontal impact began at the right-front bumper corner and extended across the entire front bumper. The maximum crush was 28 cm, and it occurred at the center of the front bumper. [14](#) Direct damage from the side impact began at the rear of the left-front wheel well, and extended 88- cm rearward to the center of the left door and up into the roof siderail. [15](#) The maximum crush to the left side was 23 cm at the center of the left door.

[16](#) Damage to vehicle (B) was severe. Direct damage from the impact with case vehicle (A) began at the forward portion of the right-front wheel well and extended 200-cm rearward to the middle of the right-rear door. [17](#) The maximum crush was 53 cm and it occurred at the right-front door. [18](#) Damage from sideswiping the wooden post began at the rear of the left-front wheel well and extended 123-cm rearward. The maximum crush was 3 cm. The right wheelbase was decreased 19 cm, and the left wheelbase was increased 6 cm.

Using the WinSMASH crash-reconstruction program, and [19](#) [20](#) [21](#) crush profiles measured for case vehicle (A) and [22](#) [23](#) [24](#) vehicle (B), the following impact severities were calculated for the frontal impact:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	23 (14)	-21 (-13)	8 (5)
Vehicle (B)	delta V	36 (22)	-12 (-8)	-34 (-21)

Case vehicle (A) was equipped with a crash data recorder (CDR) that was downloaded for analysis. Data was recorded for 230 ms before power and recording capabilities were lost. The adjusted-algorithm longitudinal velocity change was -16.5 mph. This CDR does not record any pre-crash data.

Using the WinSMASH crash-reconstruction program, and a [25](#) [26](#) [27](#) crush profile measured for case vehicle (A), the following impact severity was calculated for the left-side impact:

		Calculated Velocity Change - kph (mph)		
Vehicle	Variable	Total	Longitudinal	Latitudinal
Case Vehicle (A)	delta V	8 (5)	-5 (-3)	6 (4)

## DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

### Exterior

[28](#) [29](#) In the front, the bumper, the grille, the left headlight assembly, and the hood were crushed rearward. [30](#) [31](#) The hood latch was damaged and jammed closed but had been pried open by rescue personnel. [32](#) The left hood hinge was deflected to the right, [33](#) there was no damage to the right hood hinge, [34](#) and the rear edge of the hood was elevated, but it did not contact the windshield. [35](#) The windshield was cracked on the left side due to the impact with the utility pole, and [36](#) it was starred in the center due to internal contact by the rearview mirror.

[37](#) [38](#) On the left side, the fender, the door, and the roof siderail were displaced to the right from the impact with the utility pole. The left door was jammed closed and the left door window was broken out. [39](#) There was no other left-side damage, but the left wheelbase was increased 4 cm.

[40](#) [41](#) [42](#) On the right side, the fender and door were slightly buckled. There was no other right-side damage and no significant change to the right wheelbase.

[43](#) [44](#) There was no damage to the rear of the vehicle.

## Interior

This vehicle was equipped with steering-wheel and passenger frontal-impact airbags, and [45](#) [46](#) [47](#) both deployed in the frontal crash. [48](#) There was blood or makeup on the center of the driver airbag fabric. There was no damage to the [49](#) [50](#) steering-wheel or [51](#) passenger airbag module covers. There was no damage to the [52](#) steering-wheel rim or [53](#) spokes, and no displacement of the steering-wheel column. [54](#) The left door panel and hardware were bowed inward, and the left door armrest was split open and intruded 11 cm into the driver area. [55](#) [56](#) The upper, mid, and lower portions of the left instrument panel were slightly bowed rearward and loosened due to lateral movement of the left-front door. [57](#) The parking brake release handle was scuffed and deflected forward. [58](#) The rearview mirror contacted and caused a spiderweb crack in the windshield and was knocked loose from its mount. [59](#) The glove compartment door was scuffed. [60](#) [61](#) [62](#) [63](#) [64](#) [65](#) [66](#) There was no other interior damage or measurable intrusions.

## OCCUPANT KINEMATICS AND INJURIES

[67](#) The 5-ft, 0-in, 155-lb, 48-year-old female driver was **not** wearing the three-point belt, and [68](#) the frontal-impact airbag deployed. [69](#) There were no webbing imprints on the plastic belt guide located on the seatback, or [70](#) on the continuous loop to indicate belt use at the time of the crash, and the CDR recorded that the driver belt was unbuckled. The driver reportedly positioned the seat in a forward track position with the seatback relatively upright.

During the frontal impact, the driver moved forward relative to the vehicle interior into the airbag, [48](#) as evidenced by facial makeup on the airbag fabric. During the left-side impact, the driver moved to the left relative to the vehicle interior. She sustained cervical and lumbar strain, probably from impact forces. She sustained a contusion to the center of the abdomen, probably from contact with the deploying airbag. She sustained a laceration to the left leg, from the knee to the ankle, probably from contact with the parking-brake release lever and/or pedal, [57](#) as evidenced by scuff marks on these components.

The 5-ft, 4-in, 185-lb, 41-year-old male right-front passenger was **not** wearing the three-point belt, and [71](#) the frontal-impact airbag deployed. [72](#) There were no webbing imprints on the plastic belt guide located on the seatback, or [73](#) on the continuous loop to indicate belt use at the time of the crash. He reportedly positioned the seat in a forward track position with the seatback relatively upright.

During the frontal impact, the right-front passenger moved forward relative to the vehicle interior into the airbag. During the left-side impact, he moved to the left relative to the vehicle interior. He sustained a sprained left knee, probably due to contact with the glove box. He sustained a contusion to the left leg, from the knee to ankle, probably due to contact with the glove box and heater duct, [59](#) as evidenced by scuff marks on these components.

[74](#) The 5-ft, 4-in, 180-lb, 15-year-old female left-rear passenger was **not** wearing the three-point belt. [75](#) There were no webbing imprints on the plastic D-ring or [76](#) continuous loop to indicate belt use at the time of the crash. During the frontal impact, the left-rear passenger moved forward relative to the vehicle interior into the driver seatback. During the left-side impact, she moved to the left relative to the vehicle interior. She sustained a sprained right wrist, probably due to bracing her hand on the driver seatback during the frontal impact, or possibly due to contact by the right-rear passenger during the left-side impact.

[77](#) The 5-ft, 8-in, 240-lb, 14-year-old male right-rear passenger was **not** wearing the three-point belt. [78](#) There were no webbing imprints on the plastic D-ring or [79](#) continuous loop

to indicate belt use at the time of the crash. During the frontal impact, the right-rear passenger moved forward relative to the vehicle interior into the right-front seatback. During the left-side impact, he moved to the left relative to the vehicle interior. This occupant reported that he did not sustain any injuries.

The following tables and attached drawings [80](#) [81](#) [82](#) [83](#) summarize the injuries for the four occupants of case vehicle (A).

Occupant: Driver	Age: 48 years	Gender: Female
Restraints: 3-point belt <b>not</b> worn; frontal-impact airbag deployed	Stature: 152 cm (5 ft, 0 in)	Mass: 70 kg (155 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Cervical strain	1	—	Impact forces	—
Lumbar strain	1	—	Impact forces	—
Contusion, center abdomen	1	—	Airbag	—
Laceration, left leg, knee to ankle	1	—	Parking brake release lever and pedal	—
Maximum A.I.S. Level	1	—	—	—
Injury Severity Score	3	—	—	—

Occupant: Right front	Age: 41 years	Gender: Male
Restraints: 3-point belt <b>not</b> worn; frontal-impact airbag deployed	Stature: 163 cm (5 ft, 4 in)	Mass: 84 kg (185 lb)
Injury Description	A.I.S.	Injury Source
—	—	Definite Probable Possible
Sprain, left knee	2	— Glove box door
Contusion, lateral aspect of left leg, from knee to ankle	1	— Glove box door Heater duct
Maximum A.I.S. Level	2	—
Injury Severity Score	5	—

Occupant: Left rear	Age: 15 years	Gender: Female
Restraints: 3-point belt <b>not</b> worn	Stature: 163 cm (5 ft, 4 in)	Mass: 82 kg (180 lb)
Injury Description	A.I.S.	Injury Source
—	—	Definite Probable Possible
Sprain, right wrist	1	— Driver seatback(bracing) Right-rear passenger
Maximum A.I.S. Level	1	—
Injury Severity Score	1	—

Occupant: Right rear	Age: 14 years	Gender: Male
Restraints: 3-point belt <b>not</b> worn	Stature: 173 cm (5 ft, 8 in)	Mass: 109 kg (240 lb)
Injury Description	A.I.S.	Injury Source
—	—	Definite Probable Possible
No injury	—	—
Maximum A.I.S. Level	0	—
Injury Severity Score	0	—

CASE NO. 2004-1

CASE VEHICLE: 1991 Chevrolet

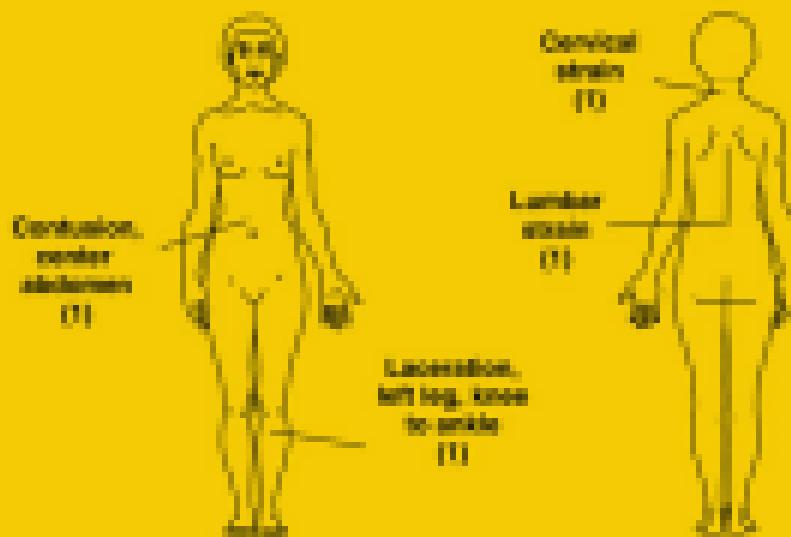
TYPE: 4 door sedan/4x4, 4x4, 3-door pickup

OCCUPANT: Driver, 31 year old female

INJURIES: Head contusion, left leg

SYMPTOMS: Headache, neck pain, thoracic impact  
airbag deployed

EXPOSURE: Headache, neck pain



CASE NO.: 200-01

CASE VEHICLE: 1998 Chevrolet

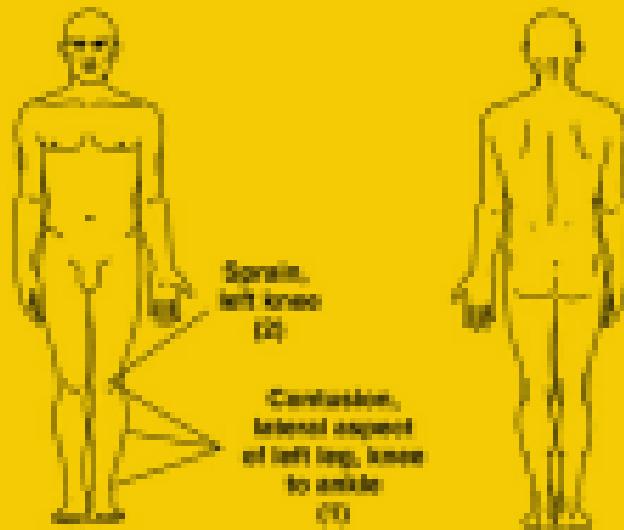
TYPE: 81100 Silverado LS, 4x4, 3-door pickup

OCURRENCE: Right front, 41-year-old male

STATUS: 163 cm (5 ft, 4 in), 74 kg (163 lb)

INJURIES: Opened both legs, frontal impact, airbag deployed

VEHICLE: MAIS-2 = 50% +



CASE NO. 100-97

CASE NUMBER: 100-97

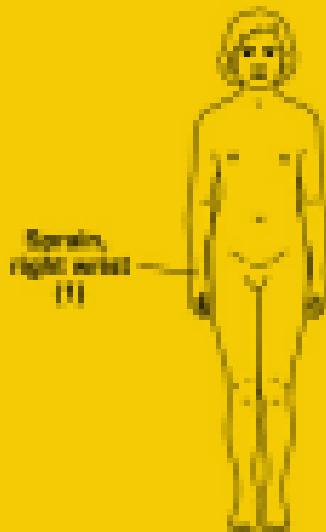
TYPE: 10000 Chevrolet SS, 4 x 4, Driver pickup

DESCRIPTION: See note. 38-year-old female

STATURE: 5'6 in (168 cm) MASS: 112 kg (250 lb)

HAIRCOLOR: Brown hair and eyes

SEX: FEMALE



CASE NO. 03-00031

CASE NUMBER: 1999 Chevrolet

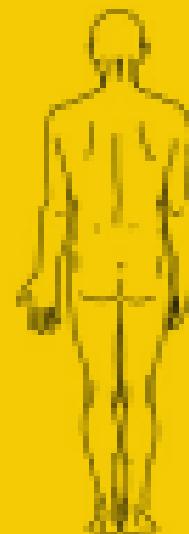
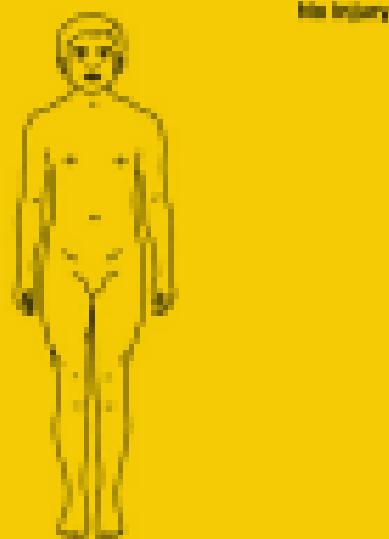
TYPE: 1500 Silverado LS, 4x4, Regular pickup

OCCUPANT: Right rear, 18 year old male

STATUS: 170 cm (5 ft, 7 in) tall, 70 kg (154 lbs)

POSITION: Headrest not worn

CONVENTIONAL: 0-0-0-0-0-0



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Type: 21 1/2 in. Minnesota L. L., 6 in. H., 21 in. wide top  
Storage: 44 cu. ft. capacity.

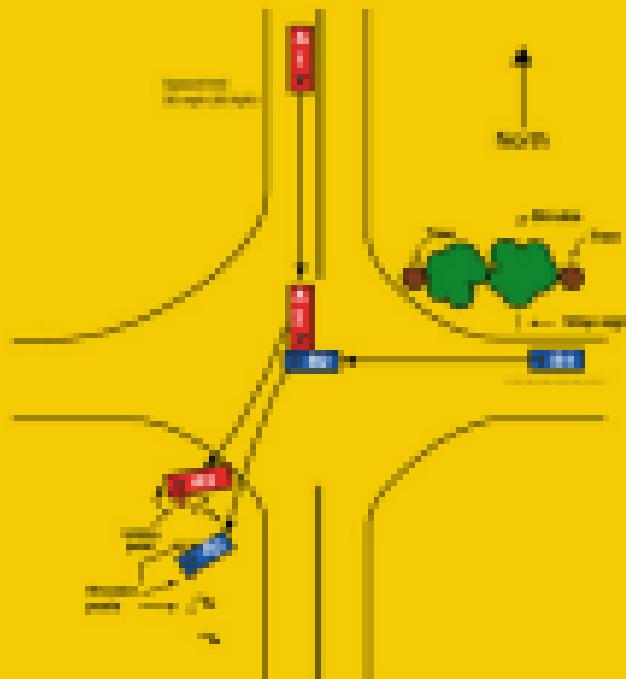
Digitized by srujanika@gmail.com

## Les équations linéaires

THERMOPHILIC

## Image Segmentation

#### Final Configuration



# Vehicle Report

## General Conditions

Variable Number and Name	Code Value	Code Description	Other Options
V206 — Urban/Rural Area	2	Rural	<a href="#">more</a>
V207 — Limited Access Highway	0	No	<a href="#">more</a>
V208 — Road Total Lanes	2	2 lanes	<a href="#">more</a>
V209 — Intersecting Road Total Lanes	2	2 lanes	<a href="#">more</a>
V210 — Road Surface Type	1	Asphalt	<a href="#">more</a>
V211 — Road Defects	0	No	<a href="#">more</a>
V212 — Construction Zone	0	No	<a href="#">more</a>
V213 — Road Alignment Vertical Plane	1	Level	<a href="#">more</a>
V214 — Road Alignment Horizontal Plane	1	Straight	<a href="#">more</a>
V215 — Surface Covering	10	Dry	<a href="#">more</a>
V216 — Visibility Limitation	0	None	<a href="#">more</a>
V217 — Visibility Obstruction	0	None	<a href="#">more</a>
V218 — Speed Limit	5	80-85 km/h .. 50 mph	<a href="#">more</a>
V219 — Precipitation Type	0	None	<a href="#">more</a>
V220 — Precipitation Rate	8	Not applicable	<a href="#">more</a>
V221 — Temperature	9	Unknown	<a href="#">more</a>
V222 — Crosswind	9	Unknown	<a href="#">more</a>
V223 — Light Conditions	5	Dark, unlighted	<a href="#">more</a>
V224 — Mechanical Malfunction Mention	0	No	<a href="#">more</a>
V225 — Case Vehicle and Object	1	Yes	<a href="#">more</a>
V226 — Case Vehicle Rollover	0	No	<a href="#">more</a>

V227 — Case Vehicle Ran Off Roadway	0	No	<a href="#">more</a>
V228 — Moving Case Vehicle/Contacted Moving Vehicle	1	Yes	<a href="#">more</a>
V229 — Case Vehicle/Contacted Stopped Vehicle	0	No	<a href="#">more</a>
V230 — Stopped Case Vehicle/Contactd Vehicle	0	No	<a href="#">more</a>
V231 — Total Vehicles Hit By Case Vehicle	1	1 vehicle	<a href="#">more</a>
V232 — Any Fire in Crash	0	No	<a href="#">more</a>
V233 — Max Police Severity-PAR	3	A - Incapacitating Injury	<a href="#">more</a>
V234 — Driver Alcohol Involvement	0	Had not been drinking	<a href="#">more</a>
V235 — Driver Alcohol BAC	80	Not tested	<a href="#">more</a>
V236 — Driver Impairment Mention	0	No	<a href="#">more</a>
V237 — Driven/Towed From Scene	2	Towed Due to Damage	<a href="#">more</a>

## Other Vehicle

Variable Number and Name	Code Value	Code Description	Other Options
V301 — Other Vehicle VIN	1FAFP6630XK2	—	—
V302 — Other Vehicle Manufacturer/Body Code	12128	—	—
V303 — Other Vehicle Manufacturer	121	Ford	<a href="#">more</a>
V304 — Other Vehicle Body Code	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V305 — Other Vehicle Make/Model	0208	Contour	<a href="#">more</a>
V306 — Other Vehicle Model Year	1999	—	—
V307 — Other Vehicle Mass	001337 kg	—	—
V308 — Other Vehicle Number	2	Vehicle #2	<a href="#">more</a>
V309 — Other Vehicle Number of Occupants	04	—	—
V310 — Other Vehicle Traveling Speed	995	Just starting up	<a href="#">more</a>
V311 — Highest Police Injury Severity	3	A - Incapacitating Injury	<a href="#">more</a>
V312 — Other Vehicle Type	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V313 — Other Vehicle Wheelbase (cm)	270 cm	—	—
V314 — Average Track Width	150 cm	—	—
V315 — Overall Length	469 cm	—	—
V316 — Overall Width (OAW)	176 cm	—	—
V317 — Front Overhang (FOH)	095 cm	—	—
V318 — Rear Overhang (ROH)	104 cm	—	—
V319 — Undeformed End Width (UEW)	146 cm	—	—
V320 — Engine Displacement	2.0 l	—	—
V321 — Engine: Number of Cylinders	04	—	—
V322 — Direct Damage Length (DDL)	999	Unknown	<a href="#">more</a>
V323 — Front-End Overlap % (FEO)	99	Missing or Not applicable	<a href="#">more</a>
V324 — Vehicle Overlap % (VOL)	99	Missing or Not applicable	<a href="#">more</a>

## Case Vehicle

### General

Variable Number and Name	Code Value	Code Description	Other Options
V401 — VIN	2GCEK19T8X12	—	—
V402 — Manufacturer/Body Code	21312	—	—
V403 — Vehicle Manufacturer	213	Chevrolet	<a href="#">more</a>
V404 — Vehicle Body Code	12	—	—
V405 — Make/Model Code	2902	Fleetside, Stepside, 1500, C/10	<a href="#">more</a>
V406 — Model Year	1999	—	—
V407 — Vehicle Mass	002152 kg	—	—
V408 — Odometer Reading	888888	—	—
V409 — Number of Occupants	04	—	—
V410 — Traveling Speed	089 kph	—	—
V411 — Body Type	33	Pickup truck (large)	<a href="#">more</a>
V412 — Stolen Vehicle	8	Not currently collected	<a href="#">more</a>
V413 — Body Structure	1	Body and frame	<a href="#">more</a>
V414 — Transmission Type	1	Automatic	<a href="#">more</a>
V415 — Transmission Lever Location	3	Column	<a href="#">more</a>
V416 — Steering	1	Power	<a href="#">more</a>
V417 — Brakes	1	Power	<a href="#">more</a>
V418 — Brake Type	3	Disc - all wheels	<a href="#">more</a>
V419 — Brake Anti-lock Device	2	Four-wheel	<a href="#">more</a>
V420 — Air Conditioning in Vehicle	8	Not currently collected	<a href="#">more</a>
V421 — Drive Type	3	Four wheel	<a href="#">more</a>
V422 — Dual Rear Wheels	0	No	<a href="#">more</a>

V423 — Original Restraint System Type	3	Airbag	<a href="#">more</a>
V424 — Equipped With Roll Bar	0	No	<a href="#">more</a>
V425 — Roof Type	1	Solid	<a href="#">more</a>
V426 — Wheelbase	364 cm	—	—
V427 — Anti-lacerative Glass	0	None	<a href="#">more</a>
V428 — Average Track Width	167 cm	—	—
V429 — Overall Length	565 cm	—	—
V430 — Overall Width (OAW)	199 cm	—	—
V431 — Front Overhang	094 cm	—	—
V432 — Rear Overhang	107 cm	—	—
V433 — Undeformed End Width (UEW)	180 cm	—	—
V434 — Engine Displacement	5.3 l	—	—
V435 — Engine: Number of Cylinders	08	—	—
V436 — Direct Damage Length (DDL)	180 cm	—	—
V437 — Front End Overlap % (FEO)	98	98% or more	<a href="#">more</a>
V438 — Vehicle Overlap % (VOL)	98	98% or more	<a href="#">more</a>

## Case Vehicle

### Damage

#### Description

Variable Number and Name	Code Value	Code Description	Other Options
V501 — Maximum Crush - Front	028 cm	—	—
V502 — Maximum Crush - Right Side	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V503 — Maximum Crush - Rear	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V504 — Maximum Crush - Left Side	023 cm	—	—
V505 — Maximum Crush - Roof	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V506 — Maximum Crush - Other	000 cm	No crush (or less than 1 cm.)	<a href="#">more</a>
V507 — Are Events In Chronological Order	1	Yes	<a href="#">more</a>
V508 — Event 1 Impact Location	1	On Roadway	<a href="#">more</a>
V509 — Event 1 Impact Configuration	13	FRONT of case veh - SIDE of contacted Vehicle	<a href="#">more</a>
V510 — Event 1 Object/Vehicle Contacted	28	Intermediate 105-109.9 in. wb.	<a href="#">more</a>
V511 — Event 2 Impact Location	3	On Roadside	<a href="#">more</a>
V512 — Event 2 Impact Configuration	27	LEFT of case veh - object	<a href="#">more</a>
V513 — Event 2 Object/Vehicle Contacted	77	Sign post, utility pole, tree	<a href="#">more</a>
V514 — Event 3 Impact Location	8	No 3rd event	<a href="#">more</a>
V515 — Event 3 Impact Configuration	88	No 3rd event	<a href="#">more</a>
V516 — Event 3 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V517 — Event 4 Impact Location	8	No 4th event	<a href="#">more</a>
V518 — Event 4 Impact Configuration	88	No 4th event	<a href="#">more</a>
V519 — Event 4 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V520 — Event 5 Impact Location	8	No 5th event	<a href="#">more</a>
V521 — Event 5 Impact Configuration	88	No 5th event	<a href="#">more</a>
V522 — Event 5 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V523 — Event 6 Impact Location	8	No 6th event	<a href="#">more</a>

V524 — Event 6 Impact Configuration	88	No 6th event	<a href="#">more</a>
V525 — Event 6 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V526 — Event 7 Impact On Road	8	No 7th event	<a href="#">more</a>
V527 — Event 7 Impact Configuration	88	No 7th event	<a href="#">more</a>
V528 — Event 7 Object/Vehicle Contacted	00	No object/vehicle contacted	<a href="#">more</a>
V529 — Primary CDC Case Vehicle -event Number	1	Event 1	<a href="#">more</a>
V530 — Primary CDC Case Vehicle - impact speed	999	Unknown	<a href="#">more</a>
V531 — Primary CDC Case Vehicle - Estimated By	1	Investigator	<a href="#">more</a>
V532 — Primary CDC Case Vehicle -crush	028	—	—
V533 — Primary CDC Case Vehicle -clock #1	11	11 o'clock	<a href="#">more</a>
V534 — Primary CDC Case Vehicle letter 1 #1	06	F - Front	<a href="#">more</a>
V535 — Primary CDC Case Vehicle letter 2 #1	04	D - Distributed (Side or End)	<a href="#">more</a>
V536 — Primary CDC Case Vehicle letter 3 #1	05	E - Everything below belt line	<a href="#">more</a>
V537 — Primary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V538 — Primary CDC Case Vehicle Extent #1	02	Extent 2	<a href="#">more</a>
V539 — Primary CDC Case Vehicle -CDC #1	11FDE W2	—	—
V541 — Primary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V542 — Primary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V543 — Primary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V544 — Primary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V545 — Primary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V546 — Primary CDC Case Vehicle -CDC #2	9800000	—	—
V547 — Primary CDC Contacted Vehicle - Impact Speed	999	Unknown	<a href="#">more</a>
V548 — Primary CDC Contacted Vehicle - Estimated By	1	Investigator	<a href="#">more</a>
V549 — Primary CDC Contacted Vehicle -crush	053	—	—
V550 — Primary CDC Contacted Vehicle -clock #1	02	2 o'clock	<a href="#">more</a>
V551 — Primary CDC Contacted Vehicle letter 1 #1	18	R - Right Side	<a href="#">more</a>

V552 — Primary CDC Contacted Vehicle letter 2 #1	25	Y - Side or end (F + P or L + C)	<a href="#">more</a>
V553 — Primary CDC Contacted Vehicle letter 3 #1	01	A - All or Top of vehicle to bottom of vehicle exclusive of	<a href="#">more</a>
V554 — Primary CDC Contacted Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V555 — Primary CDC Contacted Vehicle Extent #1	04	Extent 4	<a href="#">more</a>
V556 — Primary CDC Contacted Vehicle -CDC #1	02RYA W4	—	—
V558 — Primary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V559 — Primary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V560 — Primary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V561 — Primary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V562 — Primary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V563 — Primary CDC Contacted Vehicle -CDC #2	9800000	—	—
V564 — Secondary CDC Case Vehicle - Event No	2	Event 1	<a href="#">more</a>
V565 — Secondary CDC Case Vehicle - Impact Speed	999	Unknown	<a href="#">more</a>
V566 — Secondary CDC Case Vehicle - Estimated By	1	—	—
V567 — Secondary CDC Case Vehicle -crush	023	—	—
V568 — Secondary CDC Case Vehicle -clock #1	10	10 o'clock	<a href="#">more</a>
V569 — Secondary CDC Case Vehicle letter 1 #1	12	L - Left Side	<a href="#">more</a>
V570 — Secondary CDC Case Vehicle letter 2 #1	16	P - Side Center Section (Left or Right)	<a href="#">more</a>
V571 — Secondary CDC Case Vehicle letter 3 #1	01	A - All	<a href="#">more</a>
V572 — Secondary CDC Case Vehicle letter 4 #1	23	W - Wide impact area	<a href="#">more</a>
V573 — Secondary CDC Case Vehicle Extent #1	03	Extent 3	<a href="#">more</a>
V574 — Secondary CDC Case Vehicle -CDC #1	10LPAW 3	—	—
V576 — Secondary CDC Case Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V577 — Secondary CDC Case Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V578 — Secondary CDC Case Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V579 — Secondary CDC Case Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>

V580 — Secondary CDC Case Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V581 — Secondary CDC Case Vehicle -CDC #2	9800000	—	—
V582 — Secondary CDC Contacted Vehicle - Impact Speed	998	Not Applicable	<a href="#">more</a>
V583 — Secondary CDC Contacted Vehicle - Estimated By	8	Not applicable (no vehicle/no impact)	<a href="#">more</a>
V584 — Secondary CDC Contacted Vehicle -crush	998	Not Applicable	<a href="#">more</a>
V585 — Secondary CDC Contacted Vehicle -clock #1	98	Not Applicable	<a href="#">more</a>
V586 — Secondary CDC Contacted Vehicle letter 1 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V587 — Secondary CDC Contacted Vehicle letter 2 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V588 — Secondary CDC Contacted Vehicle letter 3 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V589 — Secondary CDC Contacted Vehicle letter 4 #1	00	Missing Data/Not applicable	<a href="#">more</a>
V590 — Secondary CDC Contacted Vehicle Extent #1	00	Missing Data/Not applicable	<a href="#">more</a>
V591 — Secondary CDC Contacted Vehicle -CDC #1	9800000	—	—
V593 — Secondary CDC Contacted Vehicle letter 1 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V594 — Secondary CDC Contacted Vehicle letter 2 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V595 — Secondary CDC Contacted Vehicle letter 3 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V596 — Secondary CDC Contacted Vehicle letter 4 #2	00	Missing Data/Not applicable	<a href="#">more</a>
V597 — Secondary CDC Contacted Vehicle Extent #2	00	Missing Data/Not applicable	<a href="#">more</a>
V598 — Secondary CDC Contacted Vehicle -CDC #2	9800000	—	—

## Crash Severity

Variable Number and Name	Code Value	Code Description	Other Options
V601 — Case Vehicle Primary Impact Number	1	—	—
V602 — Primary Impact Total Delta-V	023 kph	—	—
V603 — Primary Case Vehicle Reconstructed Longitudinal Delta-V	-021 kph	—	—
V604 — Primary Case Vehicle Reconstructed Lateral Delta-V	0008 kph	—	—
V605 — Primary Case Vehicle Reconstructed Crush Energy	0049 kJ	—	—
V606 — Primary Impact Case Vehicle - reconstruction	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V607 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V608 — Primary Contacted Vehicle Reconstructed Total Delta-V	036 kph	—	—
V609 — Primary Contacted Vehicle Reconstructed Longitudinal Delta-V	-012 kph	—	—
V610 — Primary Contacted Vehicle Reconstructed Lateral Delta-V	-034 kph	—	—
V611 — Primary Contacted Vehicle Reconstructed Crush Energy	0106 kJ	—	—
V612 — Case Vehicle Secondary Impact Number	2	—	—
V613 — Secondary Case Vehicle Reconstructed Total Delta-V	008 kph	—	—
V614 — Secondary Case Vehicle Reconstructed Longitudinal Delta-V	-005 kph	—	—
V615 — Secondary Case Vehicle Reconstructed Lateral Delta-V	0006 kph	—	—
V616 — Secondary Case Vehicle Reconstructed Crush Energy	0006 kJ	—	—
V617 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V618 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V619 — Secondary Contacted Vehicle	888	N/A	<a href="#">more</a>

Reconstructed Total Delta-V			
V620 — Secondary Contacted Vehicle Reconstructed Longitudinal Delta-V	8888	—	—
V621 — Secondary Contacted Vehicle Reconstructed Lateral Delta-V	8888	—	—
V622 — Secondary Contacted Vehicle Reconstructed Crush Energy	8888	—	—
V623 — Case Vehicle Primary Impact Number	1	—	—
V624 — Primary Case Vehicle Reconstructed Total EBS	019 kph	—	—
V625 — Primary Case Vehicle Reconstructed Longitudinal EBS	-018 kph	—	—
V626 — Primary Case Vehicle Reconstructed Lateral EBS	0006 kph	—	—
V627 — Primary Case Vehicle Reconstructed Crush Energy	0049 kJ	—	—
V628 — Primary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>
V629 — Primary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V630 — Primary Contacted Vehicle Reconstruction Total EBS	040 kph	—	—
V631 — Primary Contacted Vehicle Reconstruction Longitudinal EBS	-014 kph	—	—
V632 — Primary Contacted Vehicle Reconstruction Lateral EBS	-038 kph	—	—
V633 — Primary Contacted Vehicle Reconstruction Crush Energy	0106 kJ	—	—
V634 — Case Vehicle Secondary Impact Number	2	—	—
V635 — Secondary Case Vehicle Reconstruction Total EBS	008 kph	—	—
V636 — Secondary Case Vehicle Reconstruction Longitudinal EBS	-005 kph	—	—
V637 — Secondary Case Vehicle Reconstruction Lateral EBS	0006 kph	—	—
V638 — Secondary Case Vehicle Reconstruction Crush Energy	0006 kJ	—	—
V639 — Secondary Case Vehicle Reconstruction Note	22	Reconstructed, moderate confidence level	<a href="#">more</a>

V640 — Secondary Case Vehicle Reconstruction Mode	2	CDC & detailed damage	<a href="#">more</a>
V641 — Secondary Contacted Vehicle Reconstruction Total EBS	888	N/A	<a href="#">more</a>
V642 — Secondary Contacted Vehicle Reconstruction Longitudinal EBS	8888	—	—
V643 — Secondary Contacted Vehicle Reconstruction Lateral EBS	8888	—	—
V644 — Secondary Contacted Vehicle Reconstruction Crush Energy	8888	—	—
V645 — Case Vehicle Reconstructed Impact Number	1	—	—
V646 — Case Vehicle Impact 1 Plane	1	Bumper	<a href="#">more</a>
V647 — Case Vehicle Impact 1 Direct Damage Length [DDL]	168 cm	—	—
V648 — Case Vehicle Impact 1 Max Crush	028 cm	—	—
V649 — Case Vehicle Impact 1 Field-L	168 cm	—	—
V650 — Case Vehicle Impact 1 C1	008 cm	—	—
V651 — Case Vehicle Impact 1 C2	007 cm	—	—
V652 — Case Vehicle Impact 1 C3	018 cm	—	—
V653 — Case Vehicle Impact 1 C4	028 cm	—	—
V654 — Case Vehicle Impact 1 C5	013 cm	—	—
V655 — Case Vehicle Impact 1 C6	014 cm	—	—
V656 — Case Vehicle Impact 1 +/- D	0000 cm	—	—
V657 — Case Vehicle Reconstructed Impact Number	2	—	—
V658 — Case Vehicle Impact 2 Plane	4	Above sill	<a href="#">more</a>
V659 — Case Vehicle Impact 2 Direct Damage Length [DDL]	088 cm	—	—
V660 — Case Vehicle Impact 2 Max Crush	023 cm	—	—
V661 — Case Vehicle Impact 2 Field-L	140 cm	—	—
V662 — Case Vehicle Impact 2 C1	000 cm	No Crush	<a href="#">more</a>
V663 — Case Vehicle Impact 2 C2	013 cm	—	—
V664 — Case Vehicle Impact 2 C3	023 cm	—	—

V665 — Case Vehicle Impact 2 C4	011 cm	—	—
V666 — Case Vehicle Impact 2 C5	003 cm	—	—
V667 — Case Vehicle Impact 2 C6	000 cm	No Crush	<a href="#">more</a>
V668 — Case Vehicle Impact 2 +/- D	0102 cm	—	—
V669 — Other Vehicle Reconstructed Impact Number	1	—	—
V670 — Other Vehicle Impact 1 Plane	5	Other	<a href="#">more</a>
V671 — Other Vehicle Impact 1 Direct Damage Length [DDL]	200 cm	—	—
V672 — Other Vehicle Impact 1 Max Crush	053 cm	—	—
V673 — Other Vehicle Impact 1 Field-L	225 cm	—	—
V674 — Other Vehicle Impact 1 C1	000 cm	No Crush	<a href="#">more</a>
V675 — Other Vehicle Impact 1 C2	023 cm	—	—
V676 — Other Vehicle Impact 1 C3	053 cm	—	—
V677 — Other Vehicle Impact 1 C4	043 cm	—	—
V678 — Other Vehicle Impact 1 C5	025 cm	—	—
V679 — Other Vehicle Impact 1 C6	009 cm	—	—
V680 — Other Vehicle Impact 1 +/- D	0060 cm	—	—
V681 — Other Vehicle Reconstructed Impact Number	2	—	—
V682 — Other Vehicle Impact 2 Plane	8	Not applicable	<a href="#">more</a>
V683 — Other Vehicle Impact 2 Direct Damage Length [DDL]	998	Not applicable	<a href="#">more</a>
V684 — Other Vehicle Impact 2 Max Crush	998	Not applicable	<a href="#">more</a>
V685 — Other Vehicle Impact 2 Field-L	998	Not applicable	<a href="#">more</a>
V686 — Other Vehicle Impact 2 C1	998	Not applicable	<a href="#">more</a>
V687 — Other Vehicle Impact 2 C2	998	Not applicable	<a href="#">more</a>
V688 — Other Vehicle Impact 2 C3	998	Not applicable	<a href="#">more</a>
V689 — Other Vehicle Impact 2 C4	998	Not applicable	<a href="#">more</a>
V690 — Other Vehicle Impact 2 C5	998	Not applicable	<a href="#">more</a>
V691 — Other Vehicle Impact 2 C6	998	Not applicable	<a href="#">more</a>
V692 — Other Vehicle Impact 2 +/- D	9998	—	—

## Case Vehicle

### Tires & Rims

Variable Number and Name	Code Value	Code Description	Other Options
V701 — Left Front Wheel Damaged	0	No	<a href="#">more</a>
V702 — Right Front Wheel Damaged	0	No	<a href="#">more</a>
V703 — Right Rear Wheel Damaged	0	No	<a href="#">more</a>
V704 — Left Rear Wheel Damaged	0	No	<a href="#">more</a>
V705 — Left Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V706 — Right Front Tire Tread Type	4	All Weather	<a href="#">more</a>
V707 — Right Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V708 — Left Rear Tire Tread Type	4	All Weather	<a href="#">more</a>
V709 — Left Front Carcass Construction	3	Radial	<a href="#">more</a>
V710 — Right Front Carcass Construction	3	Radial	<a href="#">more</a>
V711 — Right Rear Carcass Construction	3	Radial	<a href="#">more</a>
V712 — Left Rear Carcass Construction	3	Radial	<a href="#">more</a>
V717 — Left Front Tire Size	P26575R16	—	—
V718 — Right Front Tire Size	P26575R16	—	—
V719 — Right Rear Tire Size	P26575R16	—	—
V720 — Left Rear Tire Size	P26575R16	—	—

## Case Vehicle

### Fuel, Tank, Fire

Variable Number and Name	Code Value	Code Description	Other Options
V801 — Propulsive Fuel Type	1	Gasoline	<a href="#">more</a>
V802 — Main Tank Location	322	Within frame/centered laterally - within vertically	<a href="#">more</a>
V803 — Main Filler Cap Location	313	Left of frame laterally - above vertically	<a href="#">more</a>
V804 — Main Tank Material	3	Plastic	<a href="#">more</a>
V805 — Aux Tank Type	8	Not applicable (not equipped)	<a href="#">more</a>
V806 — Aux Tank Location	888	Not applicable (not equipped)	<a href="#">more</a>
V807 — Aux Filler Cap Location	888	Not applicable (not equipped)	<a href="#">more</a>
V808 — Aux Tank Material	8	Not applicable	<a href="#">more</a>
V901 — Fuel Leakage From Crash	0	No	<a href="#">more</a>
V1001 — Fire In Or On Case Vehicle	0	No	<a href="#">more</a>

## Case Vehicle

### Exterior

Variable Number and Name	Code Value	Code Description	Other Options
V1101 — Hood Latch Released	0	No	<a href="#">more</a>
V1102 — Hood Latch Damaged	1	Yes	<a href="#">more</a>
V1103 — Hood Latch Jammed	1	Yes	<a href="#">more</a>
V1104 — Left Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1105 — Left Hood Hinge Separated	0	No	<a href="#">more</a>
V1106 — Right Hood Hinge Damaged	1	Yes	<a href="#">more</a>
V1107 — Right Hood Hinge Separated	0	No	<a href="#">more</a>
V1108 — Hood Remained On Vehicle	1	Yes	<a href="#">more</a>
V1109 — Rear Hood Edge Elevated	1	Yes	<a href="#">more</a>
V1110 — Edge Contacted Windshield	0	No	<a href="#">more</a>
V1111 — Edge Penetrated Windshield	8	Not applicable	<a href="#">more</a>
V1112 — Hood Latch Location	1	Front of Vehicle	<a href="#">more</a>
V1113 — Eng/Transmissn Mount Separation	0	No	<a href="#">more</a>
V1114 — Steerng Column Flex Coupling	9	Unknown if equipped	<a href="#">more</a>
V1115 — Steerng Column Coupling Damaged	9	Unknown	<a href="#">more</a>
V1116 — Steerng Column Coupling Separated	9	Unknown	<a href="#">more</a>
V1117 — Eng Comp Telescopng Unit	88	Not collected	<a href="#">more</a>
V1118 — Comp Orig/Telescopd Diff	888	Not collected	<a href="#">more</a>
V1119 — Left Side Body Mount Separation	0	No	<a href="#">more</a>
V1120 — Upper Left A-pillar Separation	4	No separation, but damaged	<a href="#">more</a>
V1121 — Lower Left A-pillar Separation	4	No separation, but damaged	<a href="#">more</a>
V1122 — Upper Left B-pillar Separation	0	No	<a href="#">more</a>
V1123 — Lower Left B-pillar Separation	4	No separation, but damaged	<a href="#">more</a>

V1124 — Upper Left C-pillar Separation	0	No	<a href="#">more</a>
V1125 — Lower Left C-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1126 — Upper Left D-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1127 — Lower Left D-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1128 — Left Front Door Opening Cause	0	Door did not open	<a href="#">more</a>
V1129 — Left Rear Door Opening Cause	8	Not applicable (no left rear door)	<a href="#">more</a>
V1130 — Left Front Door Jammed Closed	1	Yes	<a href="#">more</a>
V1131 — Left Rear Door Jammed Closed	8	Not applicable (no left rear door)	<a href="#">more</a>
V1132 — Rear Door Type	0	No door (includes pickups)	<a href="#">more</a>
V1133 — Rear Door Opening Cause	8	Not applicable (no rear door)	<a href="#">more</a>
V1134 — Rear Door Jammed Closed	8	Not applicable (no rear door)	<a href="#">more</a>
V1135 — Luggage Partition Damaged	8	Not applicable	<a href="#">more</a>
V1136 — Spare Tire Status	8	Not collected	<a href="#">more</a>
V1137 — Trailer Hitch Type	3	Bumper and frame (but non-equalizing)	<a href="#">more</a>
V1138 — Trailer Type	0	No trailer	<a href="#">more</a>
V1139 — Right Side Body Mount Separation	0	No	<a href="#">more</a>
V1140 — Upper Right A-pillar Separation	0	No	<a href="#">more</a>
V1141 — Lower Right A-pillar Separation	0	No	<a href="#">more</a>
V1142 — Upper Right B-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1143 — Lower Right B-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1144 — Upper Right C-pillar Separation	0	No	<a href="#">more</a>
V1145 — Lower Right C-pillar Separation	0	No	<a href="#">more</a>
V1146 — Upper Right D-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>
V1147 — Lower Right D-pillar Separation	8	Not applicable (not equipped)	<a href="#">more</a>

V1148 — Right Front Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1149 — Right Rear Door Opening Cause	00	Door did not open	<a href="#">more</a>
V1150 — Right Front Door Jammed Closed	0	No	<a href="#">more</a>
V1151 — Right Rear Door Jammed Closed	0	No	<a href="#">more</a>
V1152 — Van Rear Door Type	8	Not applicable (not a van)	<a href="#">more</a>
V1153 — Windshield Cracked		Yes	<a href="#">more</a>
V1154 — Windshield Broken	0	No	<a href="#">more</a>
V1155 — Windshield Cracked or Broken by Occupant	0	No	<a href="#">more</a>
V1156 — Bond Separation Extent	0	None	<a href="#">more</a>
V1157 — Windshield Code		—	—
V1158 — Did Sun/T Roof Open	8	Not Applicable	<a href="#">more</a>

## Case Vehicle

### Steering

#### Column/Rim

Variable Number and Name	Code Value	Code Description	Other Options
V1201 — Steering Wheel Rim Damage	0	None	<a href="#">more</a>
V1202 — Number of Steering Wheel Spokes	4	4 spokes	<a href="#">more</a>
V1203 — Steering Wheel Spoke Damage	0	None	<a href="#">more</a>
V1204 — Column Tilt Feature	3	Middle	<a href="#">more</a>
V1205 — Column Swing-away Feature	0	Not equipped	<a href="#">more</a>
V1206 — Column Telescoping Feature	0	Not equipped	<a href="#">more</a>
V1207 — Wheel Energy Absorb Device	8	Not collected	<a href="#">more</a>
V1208 — Wheel Ea Orig/Damaged Diff	888	Not collected	<a href="#">more</a>
V1209 — Column Energy Absorb Device	88	Not collected	<a href="#">more</a>
V1210 — Column Ea Orig/Comprss Diff	888	Not collected	<a href="#">more</a>
V1211 — Shear Capsule Separation	888	Not collected	<a href="#">more</a>
V1212 — Column Vertical Rotation	0	No apparent rotation	<a href="#">more</a>
V1213 — Column Lateral Rotation	0	No apparent rotation	<a href="#">more</a>
V1214 — Steering Wheel Hub Damage	0	None	<a href="#">more</a>

## Case Vehicle

### Intrusion

Variable Number and Name	Code Value	Code Description	Other Options
V1301 — Occupant Compartment Intrusion	1	Yes	<a href="#">more</a>
V1302 — Was Intrusion Catastrophic	0	No	<a href="#">more</a>
V1303 — Intrusion Number 01	01	Intrusion #1	<a href="#">more</a>
V1304 — Intrusion 01 Occupant Space Number	11	First row, Left seat	<a href="#">more</a>
V1305 — Intrusion 01 Intruding Object	09	Door panel or side panel	<a href="#">more</a>
V1306 — Intrusion 01 Assoc Event Number	2	Event #2	<a href="#">more</a>
V1307 — Intrusion 01 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1308 — Intrusion 01 Max Intrusion Y-axis	11 cm	—	—
V1309 — Intrusion 01 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1310 — Intrusion 01 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1311 — Intrusion 01 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1312 — Intrusion 01 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1313 — Intrusion 01 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1314 — Intrusion Number 02	00	No Intrusion, None	<a href="#">more</a>
V1315 — Intrusion 02 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1316 — Intrusion 02 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1317 — Intrusion 02 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1318 — Intrusion 02 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1319 — Intrusion 02 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1320 — Intrusion 02 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1321 — Intrusion 02 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1322 — Intrusion 02 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1323 — Intrusion 02 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1324 — Intrusion 02 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>

V1325 — Intrusion Number 03	00	No Intrusion, None	<a href="#">more</a>
V1326 — Intrusion 03 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1327 — Intrusion 03 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1328 — Intrusion 03 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1329 — Intrusion 03 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1330 — Intrusion 03 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1331 — Intrusion 03 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1332 — Intrusion 03 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1333 — Intrusion 03 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1334 — Intrusion 03 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1335 — Intrusion 03 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1336 — Intrusion Number 04	00	No Intrusion, None	<a href="#">more</a>
V1337 — Intrusion 04 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1338 — Intrusion 04 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1339 — Intrusion 04 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1340 — Intrusion 04 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1341 — Intrusion 04 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1342 — Intrusion 04 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1343 — Intrusion 04 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1344 — Intrusion 04 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1345 — Intrusion 04 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1346 — Intrusion 04 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1347 — Intrusion Number 05	00	No Intrusion, None	<a href="#">more</a>
V1348 — Intrusion 05 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1349 — Intrusion 05 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1350 — Intrusion 05 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1351 — Intrusion 05 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1352 — Intrusion 05 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1353 — Intrusion 05 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>

V1354 — Intrusion 05 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1355 — Intrusion 05 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1356 — Intrusion 05 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1357 — Intrusion 05 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1358 — Intrusion Number 06	00	No Intrusion, None	<a href="#">more</a>
V1359 — Intrusion 06 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1360 — Intrusion 06 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1361 — Intrusion 06 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1362 — Intrusion 06 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1363 — Intrusion 06 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1364 — Intrusion 06 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1365 — Intrusion 06 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1366 — Intrusion 06 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1367 — Intrusion 06 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1368 — Intrusion 06 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1369 — Intrusion Number 07	00	No Intrusion, None	<a href="#">more</a>
V1370 — Intrusion 07 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1371 — Intrusion 07 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1372 — Intrusion 07 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1373 — Intrusion 07 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1374 — Intrusion 07 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1375 — Intrusion 07 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1376 — Intrusion 07 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1377 — Intrusion 07 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1378 — Intrusion 07 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1379 — Intrusion 07 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1380 — Intrusion Number 08	00	No Intrusion, None	<a href="#">more</a>
V1381 — Intrusion 08 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>

V1382 — Intrusion 08 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1383 — Intrusion 08 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1384 — Intrusion 08 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1385 — Intrusion 08 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1386 — Intrusion 08 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1387 — Intrusion 08 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1388 — Intrusion 08 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1389 — Intrusion 08 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1390 — Intrusion 08 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1391 — Intrusion Number 09	00	No Intrusion, None	<a href="#">more</a>
V1392 — Intrusion 09 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1393 — Intrusion 09 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1394 — Intrusion 09 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1395 — Intrusion 09 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1396 — Intrusion 09 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1397 — Intrusion 09 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1398 — Intrusion 09 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1399 — Intrusion 09 Injury Number	00	No injury or no intrusion	<a href="#">more</a>
V1400 — Intrusion 09 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1401 — Intrusion 09 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1402 — Intrusion Number 10	00	No Intrusion, None	<a href="#">more</a>
V1403 — Intrusion 10 Occupant Space Number	00	No Intrusion, None	<a href="#">more</a>
V1404 — Intrusion 10 Intruding Object	00	No Intrusion, None	<a href="#">more</a>
V1405 — Intrusion 10 Assoc Event Number	0	No Intrusion, None	<a href="#">more</a>
V1406 — Intrusion 10 Max Intrusion X-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1407 — Intrusion 10 Max Intrusion Y-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1408 — Intrusion 10 Max Intrusion Z-axis	00 cm	0 cm or No Intrusion	<a href="#">more</a>
V1409 — Intrusion 10 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1410 — Intrusion 10 Injury Number	00	No injury or no intrusion	<a href="#">more</a>

V1411 — Intrusion 10 Occupant Number	00	No contact or no intrusion	<a href="#">more</a>
V1412 — Intrusion 10 Injury Number	99	Contact, injury unknown or data not collected	<a href="#">more</a>
V1413 — Door Intrusion Number 01	01	—	—
V1414 — Door Intrusion Number 01 Cause	1	Direct impact	<a href="#">more</a>
V1415 — Door Intrusion Number 02	88	Not Applicable	<a href="#">more</a>
V1416 — Door Intrusion Number 02 Cause	8	Not applicable	<a href="#">more</a>
V1417 — Door Intrusion Number 03	88	Not Applicable	<a href="#">more</a>
V1418 — Door Intrusion Number 03 Cause	8	Not applicable	<a href="#">more</a>
V1419 — Door Intrusion 01 Component	88	Not Applicable	<a href="#">more</a>
V1420 — Door Intrusion 01 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1421 — Door Intrusion 01 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1422 — Door Intrusion 02 Component	88	Not Applicable	<a href="#">more</a>
V1423 — Door Intrusion 02 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1424 — Door Intrusion 02 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1425 — Door Intrusion 03 Component	88	Not Applicable	<a href="#">more</a>
V1426 — Door Intrusion 03 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1427 — Door Intrusion 03 Component Damaged 2	8	Not Applicable	<a href="#">more</a>
V1428 — Door Intrusion 04 Component	88	Not Applicable	<a href="#">more</a>
V1429 — Door Intrusion 04 Component Damaged 1	8	Not Applicable	<a href="#">more</a>
V1430 — Door Intrusion 04 Component Damaged 2	8	Not Applicable	<a href="#">more</a>

## Case Vehicle

### Airbag(s)

Variable Number and Name	Code Value	Code Description	Other Options
V1501 — Driver Airbag Equipped	1	Yes	<a href="#">more</a>
V1502 — Driver Airbag Deployed	1	Yes	<a href="#">more</a>
V1503 — Driver Airbag Condition	0	No Damage	<a href="#">more</a>
V1504 — Passenger Airbag Equip	1	Yes	<a href="#">more</a>
V1505 — Passenger Airbag Deployed	1	Yes	<a href="#">more</a>
V1506 — Passenger Airbag Condition	0	No Damage	<a href="#">more</a>
V1507 — Steering Wheel Airbag Tether	1	Yes	<a href="#">more</a>
V1508 — Driver Airbag Marked By Contact	1	Yes	<a href="#">more</a>
V1509 — Passenger Airbag Tether	0	No	<a href="#">more</a>
V1510 — Passenger Airbag Marked By Contact	0	No	<a href="#">more</a>

## Case Vehicle

### Interior

Variable Number and Name	Code Value	Code Description	Other Options
V1601 — Left Front Door Damaged	1	Yes	<a href="#">more</a>
V1602 — Right Front Door Damaged	0	No	<a href="#">more</a>
V1603 — Left Front Hardware Damaged	1	Yes	<a href="#">more</a>
V1604 — Right Front Hardware Damaged	0	No	<a href="#">more</a>
V1605 — Left Front Armrest Damaged	1	Yes	<a href="#">more</a>
V1606 — Right Front Armrest Damaged	0	No	<a href="#">more</a>
V1607 — Left Front Glass Damaged	1	Yes	<a href="#">more</a>
V1608 — Right Front Glass Damaged	0	No	<a href="#">more</a>
V1609 — Left Rear Door Area Damaged	0	No	<a href="#">more</a>
V1610 — Right Rear Door Area Damaged	0	No	<a href="#">more</a>
V1611 — Left Rear Hardware Damaged	0	No	<a href="#">more</a>
V1612 — Right Rear Hardware Damaged	0	No	<a href="#">more</a>
V1613 — Left Rear Armrest Damaged	0	No	<a href="#">more</a>
V1614 — Right Rear Armrest Damaged	0	No	<a href="#">more</a>
V1615 — Left Rear Glass Damaged	0	No	<a href="#">more</a>
V1616 — Right Rear Glass Damaged	0	No	<a href="#">more</a>
V1617 — Left Roof Side Rail Damaged	0	No	<a href="#">more</a>
V1618 — Right Roof Side Rail Damaged	0	No	<a href="#">more</a>
V1619 — Left B-pillar Damaged	0	No	<a href="#">more</a>
V1620 — Right B-pillar Damaged	8	Not applicable	<a href="#">more</a>
V1621 — Left C-pillar Damaged	0	No	<a href="#">more</a>
V1622 — Right C-pillar Damaged	0	No	<a href="#">more</a>
V1623 — Left D-pillar Damaged	8	Not applicable	<a href="#">more</a>
V1624 — Right D-pillar Damaged	8	Not applicable	<a href="#">more</a>
V1625 — Left Headlining Damaged	0	No	<a href="#">more</a>

V1626 — Right Headlining Damaged	0	No	<a href="#">more</a>
V1627 — Left Roof Structure Damaged	0	No	<a href="#">more</a>
V1628 — Right Roof Structure Damaged	0	No	<a href="#">more</a>
V1629 — Left T/Sun Roof Damaged	8	Not applicable	<a href="#">more</a>
V1630 — Right T/Sun Roof Damaged	8	Not applicable	<a href="#">more</a>
V1631 — Other Left Side Item Damaged	8	Not applicable	<a href="#">more</a>
V1632 — Other Right Side Item Damaged	8	Not applicable	<a href="#">more</a>
V1633 — Foot Controls Damaged	0	No	<a href="#">more</a>
V1634 — Ignition Key Damaged	0	No	<a href="#">more</a>
V1635 — Rear View Mirror Damaged	1	Yes	<a href="#">more</a>
V1636 — Sunvisor/Fitting Damaged	0	No	<a href="#">more</a>
V1637 — Windshield Molding Damaged	0	No	<a href="#">more</a>
V1638 — Left A-pillar Damaged	0	No	<a href="#">more</a>
V1639 — Right A-pillar Damaged	0	No	<a href="#">more</a>
V1640 — Center Console Damaged	0	No	<a href="#">more</a>
V1641 — Transmission Lever Damaged	0	No	<a href="#">more</a>
V1642 — Horn/Spoke Shroud Damaged	0	No	<a href="#">more</a>
V1643 — Upper Panel Damaged	4	Yes, occupant contact	<a href="#">more</a>
V1644 — Mid Panel Damaged	4	Yes, occupant contact	<a href="#">more</a>
V1645 — Lower Panel Damaged	4	Yes, occupant contact	<a href="#">more</a>
V1646 — Ashtray Damaged	0	No	<a href="#">more</a>
V1647 — Control Knob/Lever Damaged	0	No	<a href="#">more</a>
V1648 — Glove Compartment Area Damaged	0	No	<a href="#">more</a>
V1649 — Instruments Damaged	0	No	<a href="#">more</a>
V1650 — Park Brake Release Damaged	3	No, occupant contact	<a href="#">more</a>
V1651 — Park Brake Pedal Damaged	0	No	<a href="#">more</a>
V1652 — A/C Or Upper Vent Damaged	0	No	<a href="#">more</a>
V1653 — Heater Or A/C Duct Damaged	0	No	<a href="#">more</a>
V1654 — Radio Damaged	0	No	<a href="#">more</a>

V1655 — Other Item Damaged	8	Not applicable	<a href="#">more</a>
V1656 — Rear Window Damaged	0	No	<a href="#">more</a>
V1657 — Rear Window Header Damaged	0	No	<a href="#">more</a>
V1658 — Vertical Console Damaged	8	Not applicable	<a href="#">more</a>
V1659 — Roof Console Damaged	0	No	<a href="#">more</a>

## Case Vehicle

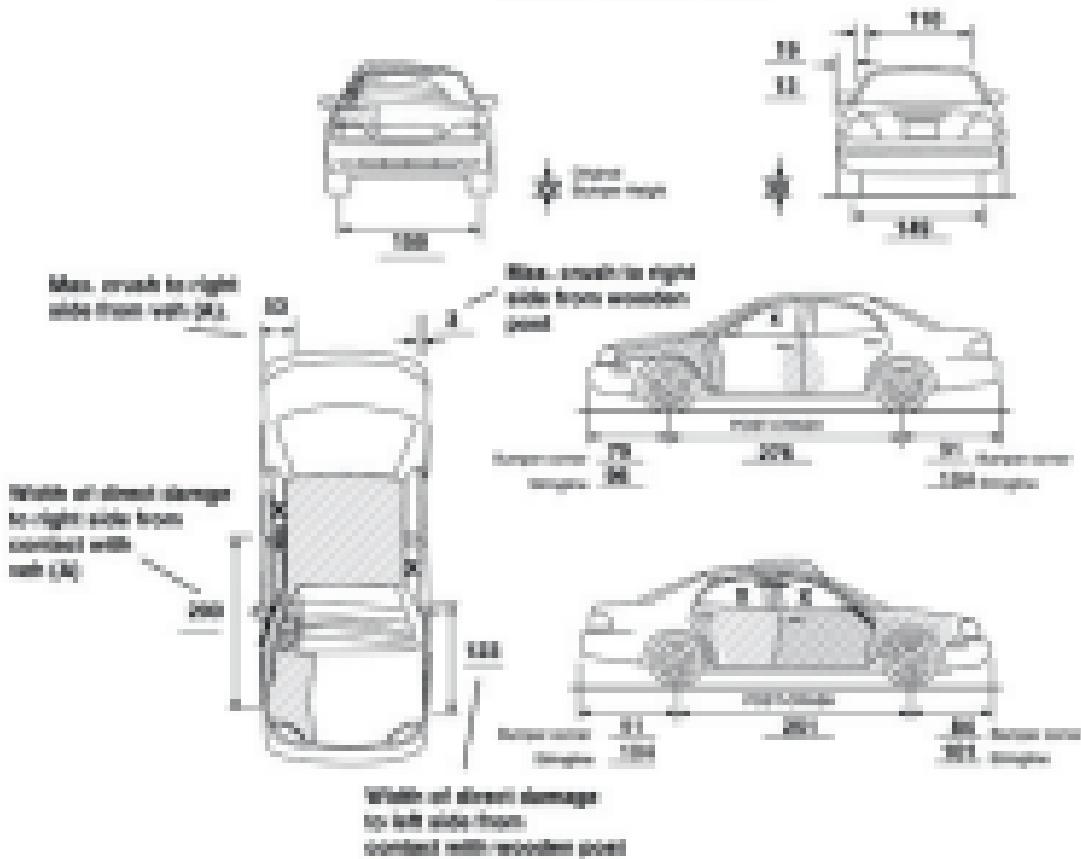
### Seats

Variable Number and Name	Code Value	Code Description	Other Options
V1701 — Driver Front Seat Type	05	Bucket	<a href="#">more</a>
V1702 — Passenger Front Seat Type	05	Bucket	<a href="#">more</a>
V1703 — Driver Seat Mount Type	1	Standard	<a href="#">more</a>
V1704 — Passenger Seat Mount Type	1	Standard	<a href="#">more</a>
V1705 — Driver Swivel Mechanism Equipped	0	No	<a href="#">more</a>
V1706 — Passenger Swivel Mechanism Equipped	0	No	<a href="#">more</a>
V1707 — Driver Seat Original Equipment	1	Yes	<a href="#">more</a>
V1708 — Passenger Seat Original Equipment	1	Yes	<a href="#">more</a>
V1709 — Driver Seat/Rear Occupant Contact	1	Yes	<a href="#">more</a>
V1710 — Passenger Seat/Rear Occupant Contact	1	Yes	<a href="#">more</a>
V1711 — Driver Seat Damage	0	None	<a href="#">more</a>
V1712 — Passenger Seat Damage	0	None	<a href="#">more</a>
V1713 — Center Front Armrest Damaged	0	No	<a href="#">more</a>
V1714 — Driver Seat Rotation	0	None apparent	<a href="#">more</a>
V1715 — Passenger Seat Rotation	0	None apparent	<a href="#">more</a>
V1716 — Driver Seat-back Type	3	Reclining	<a href="#">more</a>
V1717 — Passenger Seat-back Type	3	Reclining	<a href="#">more</a>
V1718 — Driver Seat-back Lock Type	1	Manual	<a href="#">more</a>
V1719 — Passenger Seat-back Lock Type	1	Manual	<a href="#">more</a>
V1720 — Driver Seat-back Lock Held	1	Yes	<a href="#">more</a>
V1721 — Passenger Seat-back Lock Held	1	Yes	<a href="#">more</a>
V1722 — Driver Recliner Mechanism Held	1	Yes	<a href="#">more</a>
V1723 — Passenger Recliner Mechanism Held	1	Yes	<a href="#">more</a>
V1724 — Driver Head Restraint Type	1	Adjustable	<a href="#">more</a>
V1725 — Passenger Head Restraint Type	1	Adjustable	<a href="#">more</a>

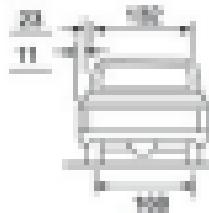
V1726 — Driver Head Rest Removed	0	No	<a href="#">more</a>
V1727 — Passenger Head Rest Removed	0	No	<a href="#">more</a>
V1728 — Driver Head Rest Adjustment	2	Down	<a href="#">more</a>
V1729 — Passenger Head Rest Adjustment	2	Down	<a href="#">more</a>
V1730 — Driver Head Rest Damage	0	None	<a href="#">more</a>
V1731 — Passenger Head Rest Damage	0	None	<a href="#">more</a>
V1732 — Driver Seat Adjustment Type	1	Manual	<a href="#">more</a>
V1733 — Passenger Seat Adjustment Type	1	Manual	<a href="#">more</a>
V1734 — Driver Seat Adjustment Provided	1	2-way	<a href="#">more</a>
V1735 — Passenger Seat Adjustment Provided	1	2-way	<a href="#">more</a>
V1736 — Driver Seat Adjuster Damage	2	Deformed (released/jammed)	<a href="#">more</a>
V1737 — Passenger Seat Adjuster Damage	0	None	<a href="#">more</a>
V1738 — Driver Seat Adjuster Separation	0	None	<a href="#">more</a>
V1739 — Passenger Seat Adjuster Separation	8	Not applicable	<a href="#">more</a>
V1740 — Driver Seat Pre-crash Position	1	Forward	<a href="#">more</a>
V1741 — Passenger Seat Pre-crash Position	1	Forward	<a href="#">more</a>
V1742 — Left Rear Seat Type	2	Folding	<a href="#">more</a>
V1743 — Right Rear Seat Type	2	Folding	<a href="#">more</a>
V1744 — Left Rear Seat Damaged	0	None	<a href="#">more</a>
V1745 — Right Rear Seat Damaged	0	None	<a href="#">more</a>
V1746 — Center Rear Armrest Damaged	8	Not applicable (No Center Armrest)	<a href="#">more</a>
V1747 — Left Rear Seat-back Left Lock Equipped	1	Yes	<a href="#">more</a>
V1748 — Right Rear Seat-back Left Lock Equipped	0	No	<a href="#">more</a>
V1749 — Left Rear Seat-back Left Lock Held	3	Seat folded down	<a href="#">more</a>
V1750 — Right Rear Seat-back Left Lock Held	8	Not applicable	<a href="#">more</a>
V1751 — Left Rear Seat-back Right Lock Equipped	0	No	<a href="#">more</a>
V1752 — Right Rear Seat-back Right Lock Equipped	1	Yes	<a href="#">more</a>

V1753 — Left Rear Seat-back Right Lock Held	8	Not applicable	<a href="#">more</a>
V1754 — Right Rear Seat-back Right Lock Held	3	Seat folded down	<a href="#">more</a>
V1755 — Left 3rd Seat Equipped	0	No	<a href="#">more</a>
V1756 — Right 3rd Seat Equipped	0	No	<a href="#">more</a>
V1757 — Left 3rd Seat Backrest Damaged	8	Not applicable	<a href="#">more</a>
V1758 — Right 3rd Seat Backrest Damaged	8	Not applicable	<a href="#">more</a>
V1759 — Left 3rd Seat Cushion Damaged	8	Not applicable	<a href="#">more</a>
V1760 — Right 3rd Seat Cushion Damaged	8	Not applicable	<a href="#">more</a>
V1761 — Rear Head Restraints	1	Equipped	<a href="#">more</a>

### MOVEMENTS IN POSITION



Width of damage to left front wheel



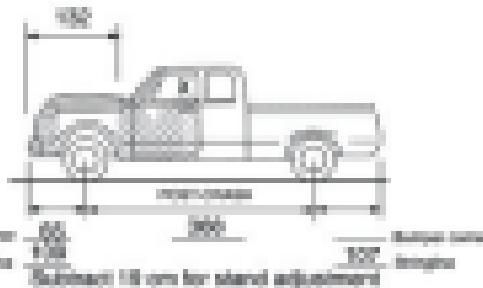
Width of damage to  
left front wheel

110 cm

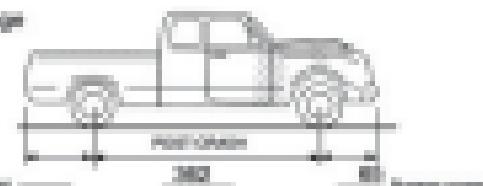
Width of  
damaged damage  
to left side  
110 cm

110 cm

Width of damage to front  
110 cm

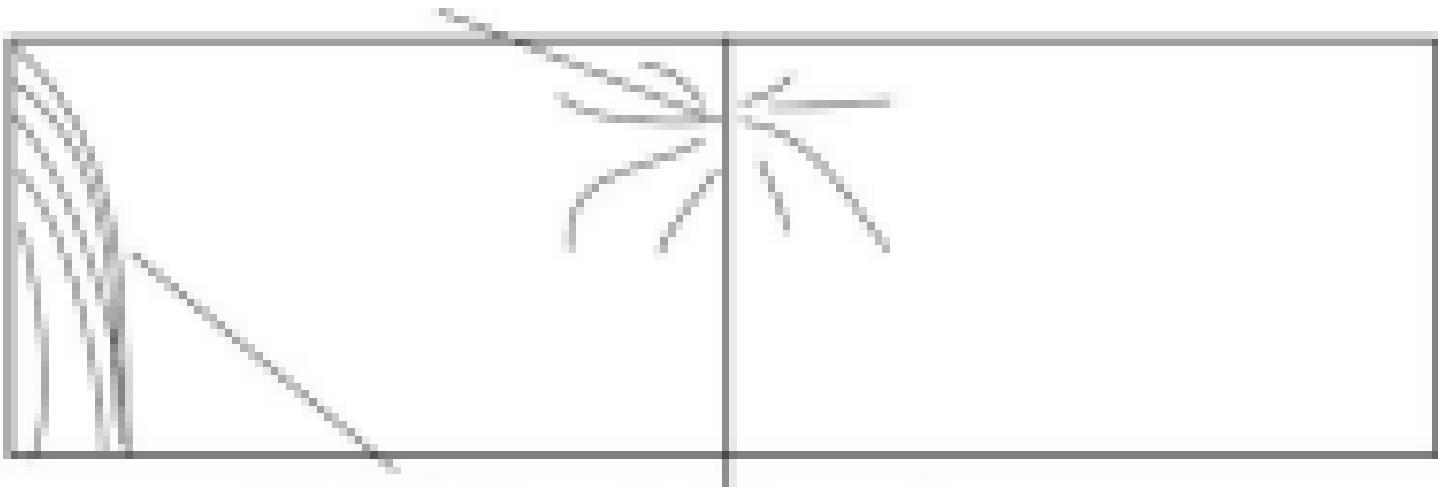


Front left wheel  
110 cm  
Front left wheel  
110 cm  
Subtract 10 cm for stand adjustment



Front left wheel  
110 cm  
Front left wheel  
110 cm  
Subtract 10 cm for stand adjustment

**Windshield cracked due to loading of rearview mirror  
by deploying passenger airbag**



**Windshield cracked due to direct contact  
to left upper A-pillar/roof siderail**

1 = Definitely 2 = Probably 3 = Possible

INTRUSION IT-1

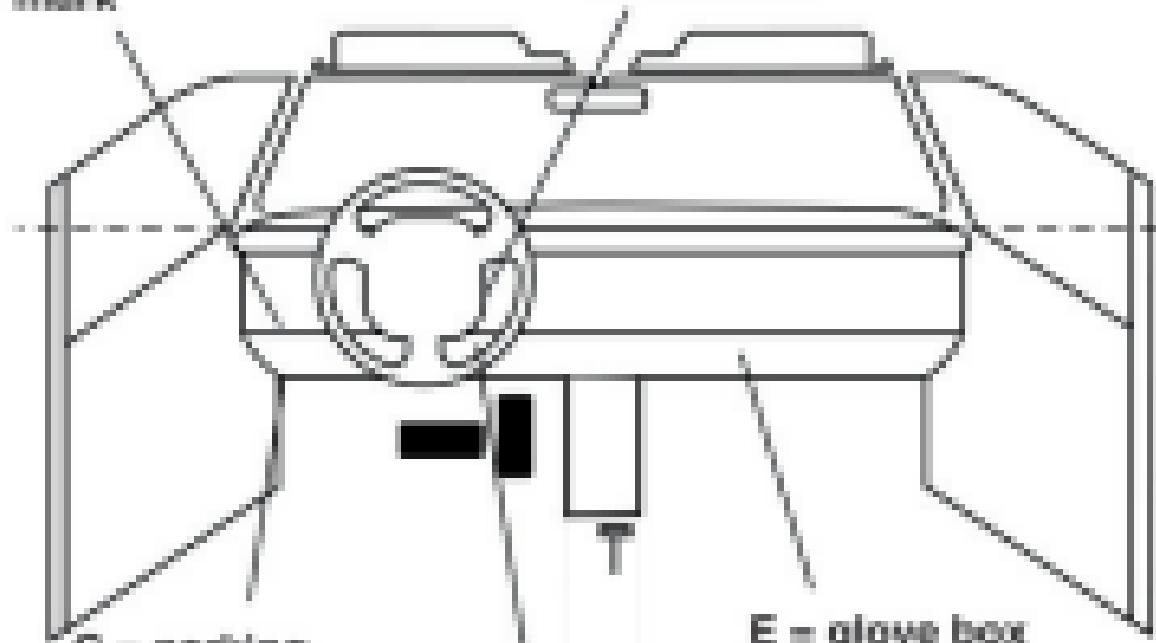
Location of Intrusion	Intruded Component	Comparison Value	Intruded Value	=	Intrusion	Dominant Crush Direction
11	Door	—	—	=	11	Y
		—	—	=		
		—	—	=		
		—	—	=		
		—	—	=		
		—	—	=		
		—	—	=		

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	knee bolster	Dr	Lt. knee	scuff mark	1
B	steering column	Dr	Rt. knee	scuff mark	1
C	parking brake release	Dr	Lt. leg	scuff mark	1
D	knee bolster	DR	Rt. knee	scuff mark	1
E	glove box	RF	Lt. leg	scuff mark	1
F					
G					
H					
I					
J					
K					

**A = knee bolster,  
scuff mark**

**B = Steering column,  
scuff mark**



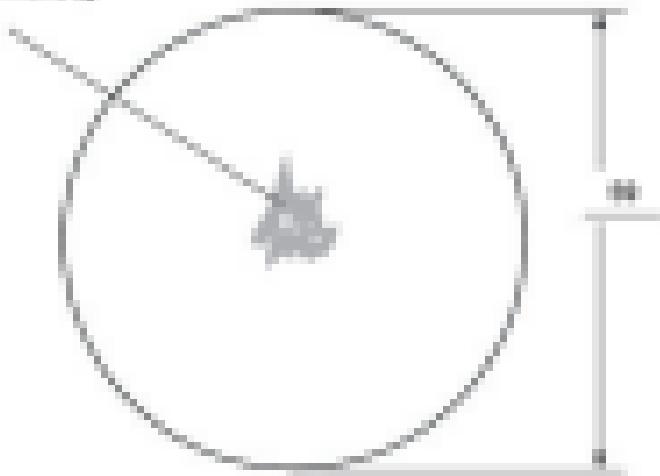
**C = parking  
brake release,  
scuff mark**

**D = knee bolster,  
scuff mark**

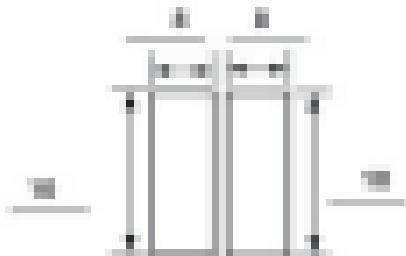
**E = glove box  
door, scuff mark**

### Water Billing

Block or volume



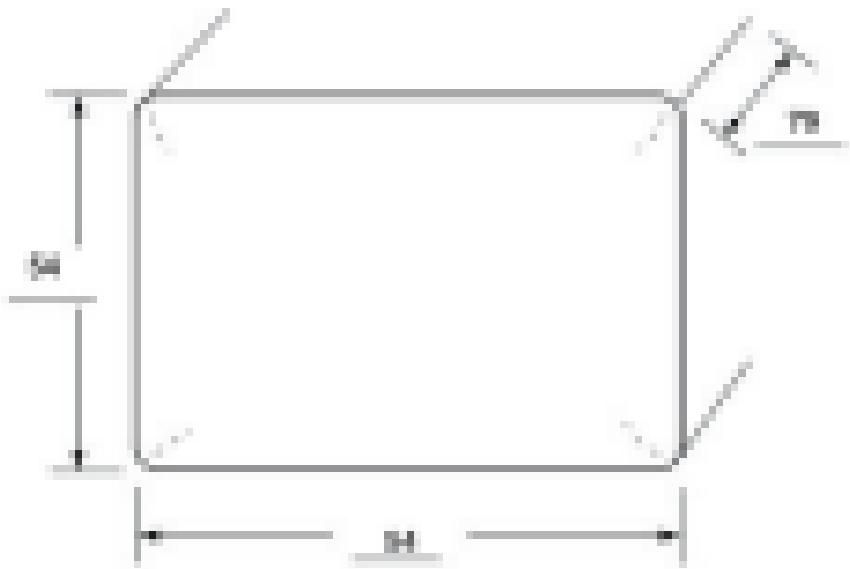
### Water Billing Form



Water (1) is  
If you fill tank: 1  
at 1 and 40 m<sup>3</sup>

Water (1) is  
If you fill tank: 1  
at 1 and 40 m<sup>3</sup>

Passenger Room

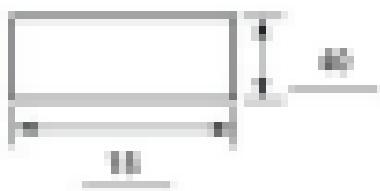


Room: 15  
Type: Non-heating   
12 ft wide by 8 ft high

Room: 15  
Type: Non-heating   
12 ft wide by 8 ft high

Passenger Sitting Room

Single Room



# Case # 302: Occupant # 1; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	<a href="#">more</a>
V2102 — 1st Prob Contact Area	98	Impact force, "whiplash", hyperextension/ compression	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	14	Neck	<a href="#">more</a>
V2105 — Primary OIC -aspect	16	Posterior/back	<a href="#">more</a>
V2106 — Primary OIC -lesion	20	Strain	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	13	Muscles	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	NPTM1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 1; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	<a href="#">more</a>
V2102 — 1st Prob Contact Area	98	Impact force, "whiplash", hyperextension/ compression	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	02	Back	<a href="#">more</a>
V2105 — Primary OIC -aspect	09	Inferior/lower	<a href="#">more</a>
V2106 — Primary OIC -lesion	20	Strain	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	13	Muscles	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	BITM1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 1; Injury # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	03	Injury #3	<a href="#">more</a>
V2102 — 1st Prob Contact Area	87	Air cushion skin "airbag"	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	13	Abdomen	<a href="#">more</a>
V2105 — Primary OIC -aspect	03	Central	<a href="#">more</a>
V2106 — Primary OIC -lesion	03	Contusion	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	09	Integumentary	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	MCCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 1; Injury # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	04	Injury #4	<a href="#">more</a>
V2102 — 1st Prob Contact Area	28	Foot controls (including parking brake pedal)	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	12	Leg (lower)	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	12	Laceration	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	09	Integumentary	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	LLL11	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	01	Occupant #1	<a href="#">more</a>
V2002 — Occupant Role At 1st Impact	1	Motor vehicle driver	<a href="#">more</a>
V2003 — Occupant Position -row	1	1st row	<a href="#">more</a>
V2004 — Occupant Position -lateral	1	Left	<a href="#">more</a>
V2005 — Occupant Position -posture	10	Sitting on seat	<a href="#">more</a>
V2006 — Occupant Age In Years	48	—	—
V2007 — Occupant Age In Months	25	25 months or older	<a href="#">more</a>
V2008 — Occupant Mass	070 kg	—	—
V2009 — Occupant Height	152 cm	—	—
V2010 — Occupant Sex	2	Female	<a href="#">more</a>
V2011 — Occupant Treatment/Mortality	02	Treated at hospital/clinic but not admitted	<a href="#">more</a>
V2012 — Injury Severity Score	03	ISS 3	<a href="#">more</a>
V2013 — Non-impact Med Condition	0	None	<a href="#">more</a>
V2014 — Police Injury Severity	1	C - Possible injury	<a href="#">more</a>
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	<a href="#">more</a>
V2016 — Active Restraint Usage	0	None (available but not used)	<a href="#">more</a>
V2017 — Passive Restraint System	1	Air bag installed	<a href="#">more</a>
V2018 — Passive Restraint Usage	2	Air bag deployed	<a href="#">more</a>
V2019 — Child Seat Type	88	Not applicable (adult or older child)	<a href="#">more</a>
V2020 — Occupant Ejection Degree	0	None	<a href="#">more</a>
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	<a href="#">more</a>
V2022 — Highest OIC Severity	1	Minor	<a href="#">more</a>

V2023 — Head Restraint Available	1	Equipped	<a href="#">more</a>
V2024 — Occupant Eyewear	1	Glasses	<a href="#">more</a>
V2025 — Source of Occupant Info	7	Combination of above	<a href="#">more</a>

# Case # 302: Occupant # 2; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	<a href="#">more</a>
V2102 — 1st Prob Contact Area	02	Glove compartment area	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	11	Knee	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	19	Sprain	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	10	Joints	<a href="#">more</a>
V2108 — Primary OIC -severity	2	Moderate	<a href="#">more</a>
V2109 — Primary OIC	KLSJ2	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 2; Injury # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	02	Injury #2	<a href="#">more</a>
V2102 — 1st Prob Contact Area	02	Glove compartment area	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	04	Heater or air conditioning ducts	<a href="#">more</a>
V2104 — Primary OIC -body Region	12	Leg (lower)	<a href="#">more</a>
V2105 — Primary OIC -aspect	12	Left	<a href="#">more</a>
V2106 — Primary OIC -lesion	03	Contusion	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	09	Integumentary	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	LLCI1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 2

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	02	Occupant #2	<a href="#">more</a>
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	<a href="#">more</a>
V2003 — Occupant Position -row	1	1st row	<a href="#">more</a>
V2004 — Occupant Position -lateral	5	Right	<a href="#">more</a>
V2005 — Occupant Position -posture	10	Sitting on seat	<a href="#">more</a>
V2006 — Occupant Age In Years	41	—	—
V2007 — Occupant Age In Months	25	25 months or older	<a href="#">more</a>
V2008 — Occupant Mass	084 kg	—	—
V2009 — Occupant Height	163 cm	—	—
V2010 — Occupant Sex	1	Male	<a href="#">more</a>
V2011 — Occupant Treatment/Mortality	02	Treated at hospital/clinic but not admitted	<a href="#">more</a>
V2012 — Injury Severity Score	05	ISS 5	<a href="#">more</a>
V2013 — Non-impact Med Condition	0	None	<a href="#">more</a>
V2014 — Police Injury Severity	1	C - Possible injury	<a href="#">more</a>
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	<a href="#">more</a>
V2016 — Active Restraint Usage	0	None (available but not used)	<a href="#">more</a>
V2017 — Passive Restraint System	1	Air bag installed	<a href="#">more</a>
V2018 — Passive Restraint Usage	2	Air bag deployed	<a href="#">more</a>
V2019 — Child Seat Type	88	Not applicable (adult or older child)	<a href="#">more</a>
V2020 — Occupant Ejection Degree	0	None	<a href="#">more</a>
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	<a href="#">more</a>
V2022 — Highest OIC Severity	2	Moderate	<a href="#">more</a>

V2023 — Head Restraint Available	1	Equipped	<a href="#">more</a>
V2024 — Occupant Eyewear	0	None	<a href="#">more</a>
V2025 — Source of Occupant Info	7	Combination of above	<a href="#">more</a>

# Case # 302: Occupant # 3; Injury # 1

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	01	Injury #1	<a href="#">more</a>
V2102 — 1st Prob Contact Area	29	Front seat-back(s)	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	32	Other occupant(s)	<a href="#">more</a>
V2104 — Primary OIC -body Region	23	Wrist/hand	<a href="#">more</a>
V2105 — Primary OIC -aspect	18	Right	<a href="#">more</a>
V2106 — Primary OIC -lesion	19	Sprain	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	10	Joints	<a href="#">more</a>
V2108 — Primary OIC -severity	1	Minor	<a href="#">more</a>
V2109 — Primary OIC	WRSJ1	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	9	Unknown	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 3

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	03	Occupant #3	<a href="#">more</a>
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	<a href="#">more</a>
V2003 — Occupant Position -row	2	2nd row	<a href="#">more</a>
V2004 — Occupant Position -lateral	1	Left	<a href="#">more</a>
V2005 — Occupant Position -posture	10	Sitting on seat	<a href="#">more</a>
V2006 — Occupant Age In Years	15	—	—
V2007 — Occupant Age In Months	25	25 months or older	<a href="#">more</a>
V2008 — Occupant Mass	082 kg	—	—
V2009 — Occupant Height	163 cm	—	—
V2010 — Occupant Sex	2	Female	<a href="#">more</a>
V2011 — Occupant Treatment/Mortality	02	Treated at hospital/clinic but not admitted	<a href="#">more</a>
V2012 — Injury Severity Score	01	ISS 1	<a href="#">more</a>
V2013 — Non-impact Med Condition	0	None	<a href="#">more</a>
V2014 — Police Injury Severity	1	C - Possible injury	<a href="#">more</a>
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	<a href="#">more</a>
V2016 — Active Restraint Usage	0	None (available but not used)	<a href="#">more</a>
V2017 — Passive Restraint System	0	None	<a href="#">more</a>
V2018 — Passive Restraint Usage	8	Not applicable (not originally equipped)	<a href="#">more</a>
V2019 — Child Seat Type	88	Not applicable (adult or older child)	<a href="#">more</a>
V2020 — Occupant Ejection Degree	0	None	<a href="#">more</a>
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	<a href="#">more</a>

V2022 — Highest OIC Severity	1	Minor	<a href="#">more</a>
V2023 — Head Restraint Available	1	Equipped	<a href="#">more</a>
V2024 — Occupant Eyewear	2	Contacts	<a href="#">more</a>
V2025 — Source of Occupant Info	7	Combination of above	<a href="#">more</a>

# Case # 302: Occupant # 4; Injury # 0

Variable Number and Name	Code Value	Code Description	Other Options
V2101 — Injury Number	00	Dummy Injury Record For Uninjured Occupants	<a href="#">more</a>
V2102 — 1st Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2103 — 2nd Prob Contact Area	00	No Contact/not applicable	<a href="#">more</a>
V2104 — Primary OIC -body Region	99	No injury	<a href="#">more</a>
V2105 — Primary OIC -aspect	99	No injury	<a href="#">more</a>
V2106 — Primary OIC -lesion	99	No injury	<a href="#">more</a>
V2107 — Primary OIC -system/Organ	99	No injury	<a href="#">more</a>
V2108 — Primary OIC -severity	0	None	<a href="#">more</a>
V2109 — Primary OIC	—	—	—
V2110 — Assoc OIC 1 -body Region	99	No injury	<a href="#">more</a>
V2111 — Assoc OIC 1 -aspect	99	No injury	<a href="#">more</a>
V2112 — Assoc OIC 1 -lesion	99	No injury	<a href="#">more</a>
V2113 — Assoc OIC 1 -system/Organ	99	No injury	<a href="#">more</a>
V2114 — Assoc OIC 1 -severity	0	None	<a href="#">more</a>
V2115 — Assoc OIC 1	—	—	—

# Case # 302: Occupant # 4

Variable Number and Name	Code Value	Code Description	Other Options
V2001 — Occupant Number	04	Occupant #4	<a href="#">more</a>
V2002 — Occupant Role At 1st Impact	2	Motor vehicle passenger	<a href="#">more</a>
V2003 — Occupant Position -row	2	2nd row	<a href="#">more</a>
V2004 — Occupant Position -lateral	5	Right	<a href="#">more</a>
V2005 — Occupant Position -posture	10	Sitting on seat	<a href="#">more</a>
V2006 — Occupant Age In Years	14	—	—
V2007 — Occupant Age In Months	25	25 months or older	<a href="#">more</a>
V2008 — Occupant Mass	109 kg	—	—
V2009 — Occupant Height	173 cm	—	—
V2010 — Occupant Sex	1	Male	<a href="#">more</a>
V2011 — Occupant Treatment/Mortality	00	None	<a href="#">more</a>
V2012 — Injury Severity Score	00	Not Injured	<a href="#">more</a>
V2013 — Non-impact Med Condition	0	None	<a href="#">more</a>
V2014 — Police Injury Severity	1	C - Possible injury	<a href="#">more</a>
V2015 — Active Restraint System	3	Both lap belt and shoulder harness	<a href="#">more</a>
V2016 — Active Restraint Usage	0	None (available but not used)	<a href="#">more</a>
V2017 — Passive Restraint System	0	None	<a href="#">more</a>
V2018 — Passive Restraint Usage	8	Not applicable (not originally equipped)	<a href="#">more</a>
V2019 — Child Seat Type	88	Not applicable (adult or older child)	<a href="#">more</a>
V2020 — Occupant Ejection Degree	0	None	<a href="#">more</a>
V2021 — Occupant Ejection Area	98	Not applicable (not ejected)	<a href="#">more</a>

V2022 — Highest OIC Severity	0	None	<a href="#">more</a>
V2023 — Head Restraint Available	1	Equipped	<a href="#">more</a>
V2024 — Occupant Eyewear	1	Glasses	<a href="#">more</a>
V2025 — Source of Occupant Info	0	Interview	<a href="#">more</a>





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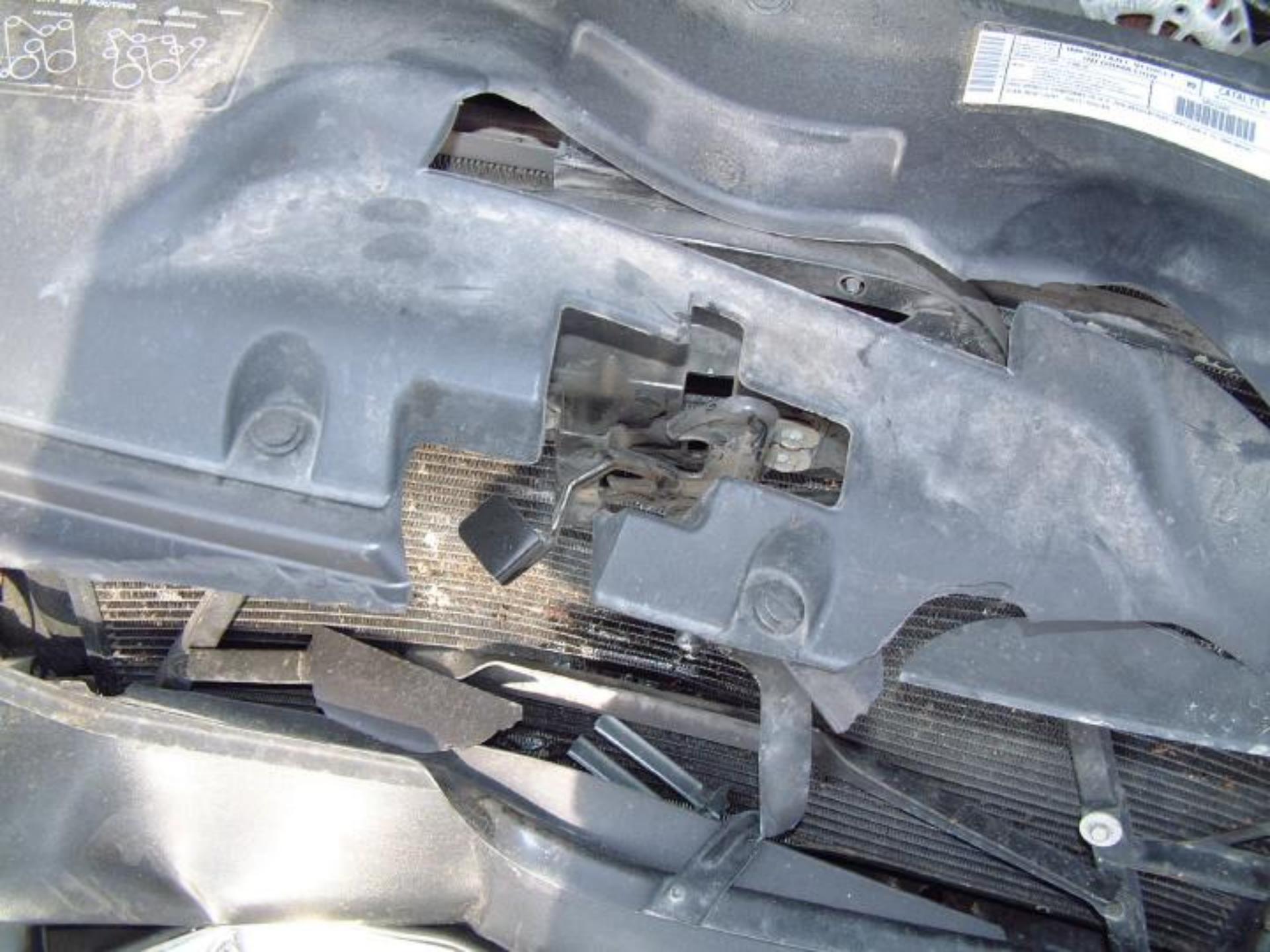


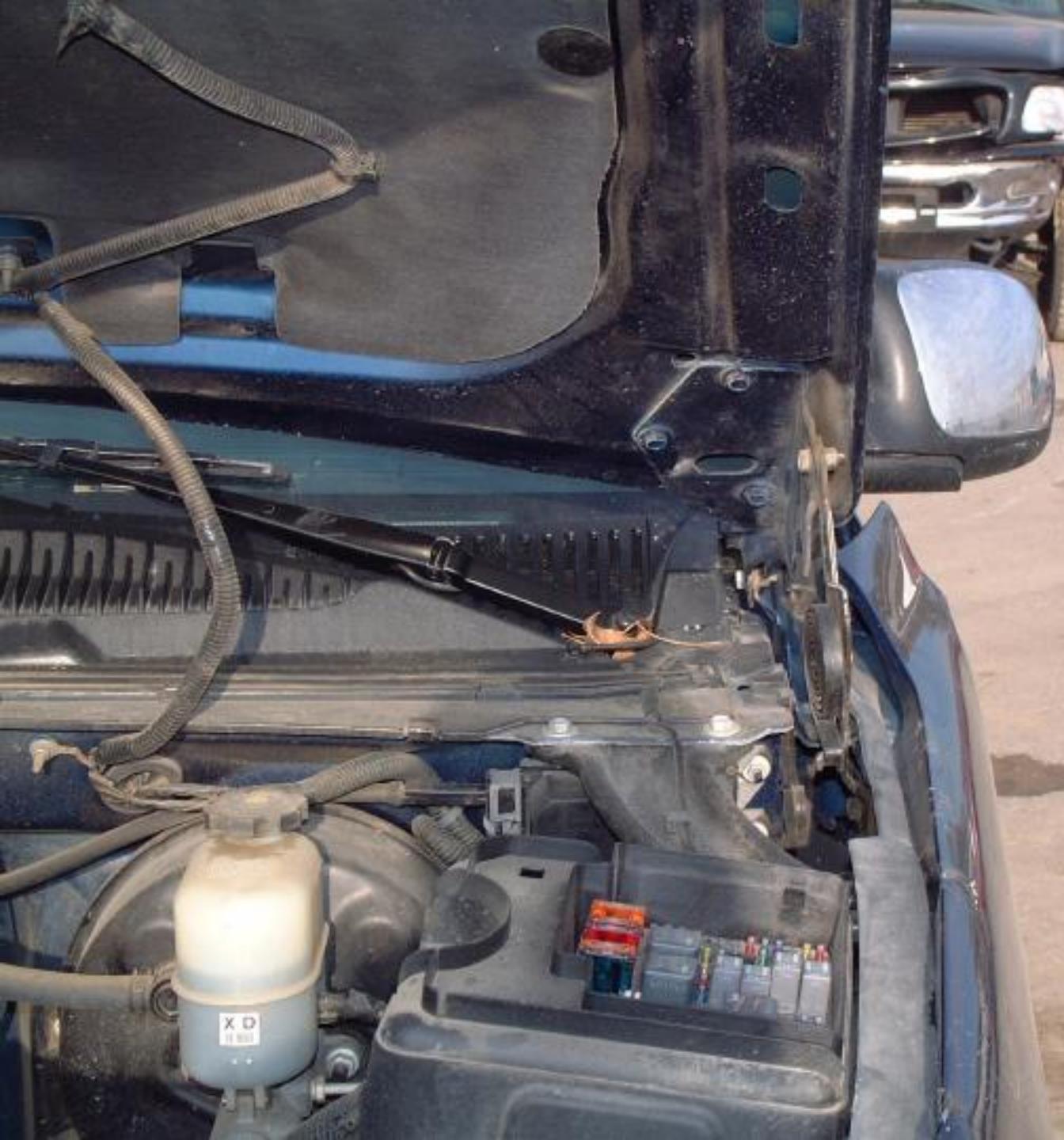


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